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?  e au=pavliak, v?
Ref   Items  Index-term
E1       12  AU=PAVLIAK, V
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E4       85  AU=PAVLIAK, VILIAM
E5        1  AU=PAVLIAK, VILLAM
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E7       11  AU=PAVLIAKOVA D.
E8        3  AU=PAVLIAKOVA DANKA
E9        6  AU=PAVLIAKOVA, D
E10       2  AU=PAVLIAKOVA, D.
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E12       6  AU=PAVLIAKOVA, DANKA
E13       9  AU=PAVLIASHVILI A T
E14       4  AU=PAVLIASHVILI G I
E15       2  AU=PAVLIASHVILI GI
E16       1  AU=PAVLIASHVILI I S
E17       2  AU=PAVLIASHVILI M K
E18       4  AU=PAVLIASHVILI N
E19      11  AU=PAVLIASHVILI N S
E20       2  AU=PAVLIASHVILI N.S.
E21       1  AU=PAVLIASHVILI NS
E22       1  AU=PAVLIASHVILI TI
E23       3  AU=PAVLIASHVILI V M
E24       3  AU=PAVLIASHVILI, G. I.
E25       1  AU=PAVLIASHVILI, M.K
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?  s e1-e5
           12   AU=PAVLIAK, V
           17   AU=PAVLIAK, V.
            0   AU=PAVLIAK, V?
           85   AU=PAVLIAK, VILIAM
            1   AU=PAVLIAK, VILLAM
S1        115   S E1-E5

?  s rd
S2     191199   S RD

?  s s1
S3        115   S S1

?  rd
>>>W:  Duplicate detection is not supported for File 393.
Duplicate detection is not supported for File 391.
Records from unsupported files will be retained in the RD set.
S4         88   RD  (UNIQUE ITEMS)

?  s s4 and polysaccharide
           88   S4
       339274   POLYSACCHARIDE
S5         10   S S4 AND POLYSACCHARIDE

?  rd
>>>W:  Duplicate detection is not supported for File 393.
Duplicate detection is not supported for File 391.
Records from unsupported files will be retained in the RD set.
S6         10   RD  (UNIQUE ITEMS)

?  t s6/3,k/1-10
>>>W:  KWIC option is not available in file(s): 399
 6/3,K/1 (Item 1 from file: 24)  Links
```

Fulltext available through: STIC Full Text Retrieval Options

0001664565 IP Accession No: 3977784
Capsular polysaccharide-protein conjugate vaccines

Sood, RK; Fattom, A; Pavliak, V; Naso, RB W.W. Karakawa Microbial Pathogenesis Lab., NABI, 12280 Wilkins Ave., Rockville, MD 20852, USA
Drug Discovery Today , v 1 , n 9 , p 381-387 , 1996
Publication Date: 1996

Document Type: Journal Article
Record Type: Abstract
Language: English
Summary Language: English
ISSN: 1359-6446
File Segment: Industrial & Applied Microbiology Abstracts (Microbiology A); Medical & Pharmaceutical Biotechnology Abstracts; Bacteriology Abstracts (Microbiology B)
Capsular polysaccharide-protein conjugate vaccines

Sood, RK; Fattom, A; Pavliak, V; Naso, RB

Abstract:
The conjugation of polysaccharides to carrier proteins generally enhances polysaccharide immunogenicity and renders the immune response T-cell dependent. Such enhancement of immunogenicity has made the use of conjugate vaccines possible in populations that are otherwise unresponsive to polysaccharide vaccines. Here, the authors discuss the value of capsular polysaccharide vaccines, their ability to elicit protective immunity against infectious bacteria, the selection of appropriate polysaccharides...

6/3,K/2 (Item 2 from file: 24) Links
Fulltext available through: STIC Full Text Retrieval Options

0001319212 IP Accession No: 3516276
Binding of the O-antigen of Shigella dysenteriae type 1 and 26 related synthetic fragments to a monoclonal IgM antibody

Pavliak, V; Nashed, EM; Pozsgay, V; Kovac, P; Karpas, A; Chu, Chiayung; Schneerson, R; Robbins, JB; Glaudemans, CPJ* NIDDKD/NIH, Bethesda, MD 20892, USA
Journal of Biological Chemistry , v 268 , n 34 , p 25797-25802 , 1993
Addl. Source Info: Journal of Biological Chemistry [J. BIOL. CHEM.], vol. 268, no. 34, pp. 25797-25802, 1993
Publication Date: 1993

Document Type: Journal Article
Record Type: Abstract
Language: English
Summary Language: English
ISSN: 0021-9258
File Segment: Bacteriology Abstracts (Microbiology B)
Pavliak, V; Nashed, EM; Pozsgay, V; Kovac, P; Karpas, A; Chu, Chiayung; Schneerson, R; Robbins, JB...

Abstract:
...monoclonal murine IgM for 26 fragments of, or related to, the structure of the O-polysaccharide and of the IgM Fab for the intact O-specific bacterial polysaccharide. Synthetic saccharides used were methyl glycosides to ensure an anomerically defined pyranosyl ring conformation. Measurements using IgM Fab and the intact O-specific polysaccharide show that the antibody can bind internal segments

on the antigen chain. The free energy...

6/3,K/3 (Item 3 from file: 24) Links
Fulltext available through: STIC Full Text Retrieval Options
CSA Life Sciences Abstracts

0001060930 IP Accession No: 2580755
Immunochemical and structural analysis of the cell wall mannan as the basis of the taxonomic reidentification of a yeast strain.

Pavliak, V; Kogan, G; Slavikova, E; Sandula, J; Masler, L Max-Planck-Inst. Immunbiol., Stuebeweg 51, Postfach 1169, W-7800 Freiburg, FRG
Journal of Basic Microbiology , v 30 , n 8 , p 587-595 , 1990
Addl. Source Info: Journal of Basic Microbiology [J. BASIC MICROBIOL.], vol. 30, no. 8, pp. 587-595, 1990
Publication Date: 1990

Document Type: Journal Article
Record Type: Abstract
Language: English
Summary Language: English
ISSN: 0233-111X
File Segment: Algology, Mycology & Protozoology Abstracts (Microbiology C)
Pavliak, V; Kogan, G; Slavikova, E; Sandula, J; Masler, L

Abstract:
...reidentified as Hansenula anomala . This work demonstrates that immunochemical and structural investigations of cell-wall polysaccharide components can serve as a basis for taxonomic identification of yeast strains.

6/3,K/4 (Item 1 from file: 393) Links
Beilstein Database - Abstracts

Beilstein Abstract Id: 6005712
Title: Structural elucidation of the capsular polysaccharide of Bacteroides fragilis strain 23745M1
Document Type: Journal Record Type: Abstract
Author: Pavliak, Viliam; Uhrin, Dusan; Brisson, Jean-Robert; Tzianabos, Arthur O.; Kasper, Dennis L.; Jennings, Harold J.
Citation: Carbohydr.Res. (1995) Series: 275-2, 333-342 CODEN: CRBRAT Language: English
Abstract Language: English
Title: Structural elucidation of the capsular polysaccharide of Bacteroides fragilis strain 23745M1
Document Type:
Author: Pavliak, Viliam; Uhrin, Dusan; Brisson, Jean-Robert; Tzianabos, Arthur O.; Kasper, Dennis L.; Jennings, Harold J.
Patent Assignee:
Abstract: ... of which could not be accomplished.The mouse-passaged strain (23745M1), however, yielded a preponderant polysaccharide which was isolated and purified.Using mainly high resolution NMR spectroscopy, the structure of the polysaccharide was elucidated and it is composed of the following repeating unit: (formula) where alpha -L... ... is 3,6 dideoxy-4-C-(L-glycero-4'-hydroxyethyl)-alpha -D-xylo-hexopyranoside.Keywords: Polysaccharide ; Bacteroides fragilis; NMR
Abstract Language:

6/3,K/5 (Item 1 from file: 399) Links
CA SEARCH(R)

141294673 CA: 141(18)294673p PATENT
Capsular polysaccharide-staphylococcal surface adhesin carrier protein conjugates as vaccines for immunization against nosocomial infections
Inventor (Author): Pavliak, Viliam; Baker, Steven Morris; Pillai, Subramonia Padmanaba
Location: USA
Assignee: Wyeth Holdings Corporation; Wyeth Corp.
Patent: PCT International ; WO 200480490 A2 Date: 20040923
Application: WO 2004US6661 (20040304) *US PV452728 (20030307)
Pages: 81 pp.
CODEN: PIXXD2
Language: English
Patent Classifications:
Class: A61K-047/48A; C07K-016/12B; A61K-039/385B
Designated Countries: AE; AG; AL; AM; AT; AU; AZ; BA; BB; BG; BR; BW; BY; BZ; CA; CH; CN; CO; CR; CU; CZ; DE; DK; DM; DZ; EC; EE; EG; ES; FI; GB; GD; GE; GH; GM; HR; HU; ID; IL; IN; IS; JP; KE; KG; KP; KR; KZ; LC; LK; LR; LS; LT; LU; LV; MA; MD; MG; MK; MN; MW; MX; MZ; NA; NI; NO; NZ; OM; PG; PH; PL; PT; RO; RU; SC; SD; SE; SG; SK; SL; SY; TJ; TM; TN; TR; TT; TZ; UA; UG; US; UZ; VC; VN; YU; ZA; ZM; ZW
Designated Regional: BW; GH; GM; KE; LS; MW; MZ; SD; SL; SZ; TZ; UG; ZM; ZW; AM; AZ; BY; KG; KZ; MD; RU; TJ; TM; AT; BE; BG; CH; CY; CZ; DE; DK; EE; ES; FI; FR; GB; GR; HU; IE; IT; LU; MC; NL; PL; PT; RO; SE; SI; SK; TR; BF; BJ; CF; CG; CI; CM; GA; GN; GQ; GW; ML; MR; NE; SN; TD; TG

6/3,K/6 (Item 2 from file: 399) Links
Fulltext available through: STIC Full Text Retrieval Options
CA SEARCH(R)

123280458 CA: 123(21)280458p JOURNAL
Structural elucidation of the capsular polysaccharide of Bacteroides fragilis strain 23745M1
Author: Pavliak, Viliam; Uhrin, Dusan; Brisson, Jean-Robert; Tzianabos, Arthur O.; Kasper, Dennis L.; Jennings, Harold J.
Location: Institute Biological Sciences, National Research Council Canada, Ottawa, ON , Can., K1A OR6
Journal: Carbohydr. Res.
Date: 1995
Volume: 275 Number: 2 Pages: 333-41
CODEN: CRBRAT
ISSN: 0008-6215
Language: English

6/3,K/7 (Item 3 from file: 399) Links
Fulltext available through: STIC Full Text Retrieval Options
CA SEARCH(R)

117111922 CA: 117(11)111922f JOURNAL
Synthesis of ligands related to the O-specific antigen Shigella dysenteriae type 1. Part 2. Stereoselective syntheses of a di-, tri-, and tetrasaccharide fragment of Shigella dysenteriae type-1 O-antigen using 3,4,6-tri-O-acetyl-2-azido-2-deoxy-.alpha.-D-glucopyranosyl chloride as a glycosyl donor
Author: Pavliak, Viliam; Kovac, Pavol; Glaudemans, Cornelis P. J.
Location: Natl. Inst. Health, Bethesda, MD, 20892, USA
Journal: Carbohydr. Res.
Date: 1992
Volume: 229 Number: 1 Pages: 103-16

CODEN: CRBRAT
ISSN: 0008-6215
Language: English

6/3,K/8 (Item 1 from file: 391) Links
Beilstein Database - Reactions

Reaction Id: 3880636
Reactants
BN=96634 O 1, O 3, O 4, O 6 -Tetraacetyl- beta -D-mannopyranose
BN=1813600 trifluoro-methanesulfonic acid anhydride
Products
BN=4341413 1,3,4,6-tetra-O-acetyl-2-O-trifluoromethylsulfonyl- beta -D-mannopyranose
No. of Reaction Details: 5
No. of References: 6
References
...John B. ; Schneerson, Rachel Synthesis of a Tetrasaccharide Building Block of the O-Specific Polysaccharide of Shigella dysenteria Type 1 TETRAB ; Tetrahedron ; 48-47(1992)10249-10264;
5... ...THIO-D-GLUCOPYRANOSE (THIOSOPHOROSE) CRBRAT ; Carbohydr.Res. ; 128 (1984)291-296;
6, 5540312 Pavliak, Viliam ; Kovac, Pavol A short synthesis of 1,3,4,6-tetra-O-acetyl...

6/3,K/9 (Item 2 from file: 391) Links
Beilstein Database - Reactions

Reaction Id: 3361579
Reactants
BN=3629273 Methyl 2,4-Di-O-benzoyl- alpha -L-rhamnopyranoside
BN=605440 bromoacetyl bromide
Products
BN=5461795 methyl 2,4-di-O-benzoyl-3-O-bromoacetyl- alpha -L-rhamnopyranoside
No. of Reaction Details: 2
No. of References: 2
References
1, 5663069 Pavliak, Viliam ; Kovac, Pavol ; Glaudemans, Cornelis P. J. Stereoselective syntheses of a di-, tri... ...Pozsgay, Vince ; Pannell, Lewis Convergent synthesis of an octasaccharide fragment of the O-specific polysaccharide of Shigella dysenteriae type 1 CRBRAT ; Carbohydr.Res. ; 258 (1994)105-122;

6/3,K/10 (Item 3 from file: 391) Links
Beilstein Database - Reactions

Reaction Id: 2518469
Reactants
BN=4341413 1,3,4,6-tetra-O-acetyl-2-O-trifluoromethylsulfonyl- beta -D-mannopyranose
Products
BN=4337930 1,3,4,6-tetra-O-acetyl-2-azido-2-deoxy- beta -D-glucopyranose
No. of Reaction Details: 4
No. of References: 4
References
...John B. ; Schneerson, Rachel Synthesis of a Tetrasaccharide Building Block of the O-Specific Polysaccharide of Shigella dysenteria Type 1 TETRAB ; Tetrahedron ; 48-47(1992)10249-10264;
4, 5540312 Pavliak, Viliam ; Kovac, Pavol A short synthesis of

1,3,4,6-tetra-O-acetyl...

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Ref   Items  Index-term
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E2       64  AU=BAKER, STEWART
E3        1  AU=BAKER, STEWART ADDISON
E4      117  AU=BAKER, STEWART J.
E5        2  AU=BAKER, STEWART JAMES
E6        1  AU=BAKER, STFANIE H
E7        2  AU=BAKER, STOKES S
E8        3  AU=BAKER, STOKES S.
E9        2  AU=BAKER, STOKES SIDNEY
E10       7  AU=BAKER, STUART
E11       2  AU=BAKER, STUART A
E12       7  AU=BAKER, STUART A.
E13       1  AU=BAKER, STUART EDDY
E14      11  AU=BAKER, STUART G
E15      13  AU=BAKER, STUART G.
E16       1  AU=BAKER, STUART J.
E17       1  AU=BAKER, STUART JOHN
E18      17  AU=BAKER, STUART N
E19       1  AU=BAKER, STUART N.
E20       1  AU=BAKER, STUART ROY
E21       3  AU=BAKER, SU
E22       8  AU=BAKER, SUE
E23       1  AU=BAKER, SUE A
E24       1  AU=BAKER, SUE A.
E25       1  AU=BAKER, SUE HELTON
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?  e au=pillai, subramonia?
Ref   Items  Index-term
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E2        1  AU=PILLAI, SUBRAMONIA PADMANABHA
E3        0  AU=PILLAI, SUBRAMONIA?
E4        1  AU=PILLAI, SUJATHA
E5        1  AU=PILLAI, SUKUMARAN
E6        2  AU=PILLAI, SUMA
E7        1  AU=PILLAI, SUMESH SOFIN RAMAKRISHNA PILLAI GOPALA
E8        1  AU=PILLAI, SUMITRA ASHOK
E9        1  AU=PILLAI, SUNIL K.
E10       2  AU=PILLAI, SUNIL KUMAR C.
E11       1  AU=PILLAI, SUNILKUMAR BHADRAMMA KOCHUNARAYANA
E12       5  AU=PILLAI, SUNILKUMAR C.
E13       2  AU=PILLAI, SUPRIYA
E14       1  AU=PILLAI, SURECH C.
E15      14  AU=PILLAI, SURESH
E16       4  AU=PILLAI, SURESH B.
E17       2  AU=PILLAI, SURESH BISWANATH
E18       4  AU=PILLAI, SURESH C
E19      31  AU=PILLAI, SURESH C.
E20      49  AU=PILLAI, SURESH D
E21      80  AU=PILLAI, SURESH D.
E22       2  AU=PILLAI, SURESH D*
E23       2  AU=PILLAI, SURESH DIVAKARAN
E24       2  AU=PILLAI, SURESH KUMAR
E25       1  AU=PILLAI, SURESH KUMAR S.
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?  s e1-e2
           1   AU=PILLAI, SUBRAMONIA PADMANABA
           1   AU=PILLAI, SUBRAMONIA PADMANABHA
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S1          2   S E1-E2

?  rd
>>>W:  Duplicate detection is not supported for File 393.
Duplicate detection is not supported for File 391.
Records from unsupported files will be retained in the RD set.
S2          2   RD  (UNIQUE ITEMS)

?  e au=patti, joseph?
Ref   Items  Index-term
E1       25  AU=PATTI, JOSEPH M
E2       66  AU=PATTI, JOSEPH M.
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E4        1  AU=PATTI, K.
E5        2  AU=PATTI, K. J.
E6        1  AU=PATTI, KENNETH
E7        1  AU=PATTI, KISER
E8        1  AU=PATTI, L
E9       48  AU=PATTI, L.
E10       1  AU=PATTI, L. M.
E11       1  AU=PATTI, L.M.
E12       1  AU=PATTI, LARVSSA
E13       1  AU=PATTI, LARYSSA
E14       6  AU=PATTI, LAURA
E15       9  AU=PATTI, LIDIA
E16       3  AU=PATTI, LISA
E17       3  AU=PATTI, LISA M.
E18       1  AU=PATTI, LMILLS
E19       4  AU=PATTI, M
E20       6  AU=PATTI, M.
E21      19  AU=PATTI, M. E.
E22      29  AU=PATTI, M. G.
E23      11  AU=PATTI, M. J.
E24       1  AU=PATTI, M. K.
E25       5  AU=PATTI, M.-E.
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?  s e1-e2
           25   AU=PATTI, JOSEPH M
           66   AU=PATTI, JOSEPH M.
S3         91   S E1-E2

?  rd
>>>W:  Duplicate detection is not supported for File 393.
Duplicate detection is not supported for File 391.
Records from unsupported files will be retained in the RD set.
S4         66   RD  (UNIQUE ITEMS)

?  s s4 and polysaccharide
           66   S4
       339274   POLYSACCHARIDE
S5          0   S S4 AND POLYSACCHARIDE

?  s s4
S6         66   S S4

?  e au=bradley, prater?
Ref   Items  Index-term
E1        8  AU=BRADLEY, PP
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E3        0  AU=BRADLEY, PRATER?
E4        8  AU=BRADLEY, PRUDENCE
E5        2  AU=BRADLEY, PRUDENCE K
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E6       85  AU=BRADLEY, PRUDENCE K.
E7        2  AU=BRADLEY, PRUDENCE KATHERINE
E8        3  AU=BRADLEY, PS
E9        2  AU=BRADLEY, PV
E10      18  AU=BRADLEY, PW
E11       2  AU=BRADLEY, Q.
E12       1  AU=BRADLEY, Q.M.
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E14      76  AU=BRADLEY, R
E15       2  AU=BRADLEY, R (ED)
E16       1  AU=BRADLEY, R D
E17       2  AU=BRADLEY, R F
E18       1  AU=BRADLEY, R M
E19       1  AU=BRADLEY, R MARK
E20       1  AU=BRADLEY, R S
E21     525  AU=BRADLEY, R.
E22       2  AU=BRADLEY, R. A
E23     146  AU=BRADLEY, R. A.
E24       2  AU=BRADLEY, R. ANDREW
E25      10  AU=BRADLEY, R. B.
          Enter PAGE for more

?  e au=bradley, p?
Ref   Items  Index-term
E1        5  AU=BRADLEY, P.S.
E2        7  AU=BRADLEY, P.W.
E3        0  AU=BRADLEY, P?
E4        7  AU=BRADLEY, PA
E5        3  AU=BRADLEY, PAIGE
E6        1  AU=BRADLEY, PAMELA
E7        1  AU=BRADLEY, PAMELA ANNE
E8        1  AU=BRADLEY, PAMELA D.
E9        1  AU=BRADLEY, PAMELA F
E10       2  AU=BRADLEY, PAMELA F.
E11      26  AU=BRADLEY, PAMELA J.
E12       1  AU=BRADLEY, PAMELA JEAN
E13       4  AU=BRADLEY, PAMELA L
E14       4  AU=BRADLEY, PAMELA L.
E15       2  AU=BRADLEY, PAMELA LYNN
E16       1  AU=BRADLEY, PAMELA NEWELL
E17       1  AU=BRADLEY, PATRIC W.
E18       1  AU=BRADLEY, PATRICE
E19      12  AU=BRADLEY, PATRICIA
E20       1  AU=BRADLEY, PATRICIA A.
E21       1  AU=BRADLEY, PATRICIA ANN
E22       1  AU=BRADLEY, PATRICIA ANN HAYES
E23       1  AU=BRADLEY, PATRICIA ANNE LANKFORD
E24       2  AU=BRADLEY, PATRICIA E
E25       5  AU=BRADLEY, PATRICIA E.
          Enter PAGE for more

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Ref   Items  Index-term
E26       3  AU=BRADLEY, PATRICIA J.
E27       1  AU=BRADLEY, PATRICIA JANE
E28       1  AU=BRADLEY, PATRICIA JEAN
E29       1  AU=BRADLEY, PATRICIA K.
E30       2  AU=BRADLEY, PATRICIA KAREN
E31       9  AU=BRADLEY, PATRICIA M
E32      14  AU=BRADLEY, PATRICIA M.
E33       2  AU=BRADLEY, PATRICIA MARIE GEISE
E34      15  AU=BRADLEY, PATRICK
E35       4  AU=BRADLEY, PATRICK B.
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E36       1  AU=BRADLEY, PATRICK DAVID
E37       1  AU=BRADLEY, PATRICK ERIK
E38       6  AU=BRADLEY, PATRICK J
E39       7  AU=BRADLEY, PATRICK J.
E40       1  AU=BRADLEY, PATRICK JOSEPH
E41      12  AU=BRADLEY, PATRICK W
E42      32  AU=BRADLEY, PATRICK W.
E43       1  AU=BRADLEY, PATRICK WALTON
E44       1  AU=BRADLEY, PATRRICK J
E45       1  AU=BRADLEY, PATTI
E46      44  AU=BRADLEY, PAUL
E47     188  AU=BRADLEY, PAUL A.
E48       3  AU=BRADLEY, PAUL ANDREW
E49       7  AU=BRADLEY, PAUL ANTHONY
E50       1  AU=BRADLEY, PAUL ARTHUR
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Ref   Items  Index-term
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E2        1  AU=BRADLEY, PAUL D
E3       16  AU=BRADLEY, PAUL D.
E4        2  AU=BRADLEY, PAUL DOUGLAS
E5        9  AU=BRADLEY, PAUL G.
E6        1  AU=BRADLEY, PAUL GRANT
E7        2  AU=BRADLEY, PAUL GREGG
E8        1  AU=BRADLEY, PAUL H
E9        1  AU=BRADLEY, PAUL JONATHAN
E10     100  AU=BRADLEY, PAUL M
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E12       1  AU=BRADLEY, PAUL MARTIN
E13       1  AU=BRADLEY, PAUL MICAH
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E19       1  AU=BRADLEY, PAUL STEPHEN
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E21       1  AU=BRADLEY, PAULETTE NANNOS
E22       3  AU=BRADLEY, PAULEY R.
E23       6  AU=BRADLEY, PB
E24       4  AU=BRADLEY, PD
E25       2  AU=BRADLEY, PE
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Ref   Items  Index-term
E26       1  AU=BRADLEY, PEARL GARRETT
E27       1  AU=BRADLEY, PEARLE ELIZABETH QUINN
E28       1  AU=BRADLEY, PEGGY ELLEN
E29       1  AU=BRADLEY, PEGGY M
E30     145  AU=BRADLEY, PERRY
E31      23  AU=BRADLEY, PETER
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E33       2  AU=BRADLEY, PETER A.
E34       5  AU=BRADLEY, PETER D.
E35       1  AU=BRADLEY, PETER DOUGLAS
E36       2  AU=BRADLEY, PETER G.
E37      12  AU=BRADLEY, PETER J
E38      34  AU=BRADLEY, PETER J.
E39       1  AU=BRADLEY, PETER JAMES
E40       4  AU=BRADLEY, PETER JOHN
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E43        7  AU=BRADLEY, PETER M.
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E45        1  AU=BRADLEY, PETER M.J.
E46        2  AU=BRADLEY, PETER MICHAEL
E47        2  AU=BRADLEY, PETER P.
E48        3  AU=BRADLEY, PETER V
E49        2  AU=BRADLEY, PETER V.
E50        1  AU=BRADLEY, PETER VINCE
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? page
Ref   Items  Index-term
E1         1  AU=BRADLEY, PETER VINCE
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E3         2  AU=BRADLEY, PH
E4        20  AU=BRADLEY, PHIL
E5        20  AU=BRADLEY, PHILIP
E6         1  AU=BRADLEY, PHILIP AUSTIN
E7         8  AU=BRADLEY, PHILIP B (ED)
E8        20  AU=BRADLEY, PHILIP B.
E9         1  AU=BRADLEY, PHILIP DURGAN, JR.
E10        1  AU=BRADLEY, PHILIP G.
E11        2  AU=BRADLEY, PHILIP H.
E12        1  AU=BRADLEY, PHILIP L.
E13        3  AU=BRADLEY, PHILIP M.
E14        1  AU=BRADLEY, PHILIP T.
E15        2  AU=BRADLEY, PHILLIP
E16        2  AU=BRADLEY, PHILLIP J
E17        1  AU=BRADLEY, PHILLIP K.
E18        1  AU=BRADLEY, PICRO J.
E19        1  AU=BRADLEY, PIERO J
E20        2  AU=BRADLEY, PIERO J.
E21       23  AU=BRADLEY, PJ
E22        2  AU=BRADLEY, PL
E23      236  AU=BRADLEY, PM
E24        4  AU=BRADLEY, PM*
E25        8  AU=BRADLEY, PN
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? page
Ref   Items  Index-term
E26        8  AU=BRADLEY, PP
E27        1  AU=BRADLEY, PR
E28        8  AU=BRADLEY, PRUDENCE
E29        2  AU=BRADLEY, PRUDENCE K
E30       85  AU=BRADLEY, PRUDENCE K.
E31        2  AU=BRADLEY, PRUDENCE KATHERINE
E32        3  AU=BRADLEY, PS
E33        2  AU=BRADLEY, PV
E34       18  AU=BRADLEY, PW
E35        2  AU=BRADLEY, Q.
E36        1  AU=BRADLEY, Q.M.
E37        1  AU=BRADLEY, QUETZALCOATL
E38       76  AU=BRADLEY, R
E39        2  AU=BRADLEY, R (ED)
E40        1  AU=BRADLEY, R D
E41        2  AU=BRADLEY, R F
E42        1  AU=BRADLEY, R M
E43        1  AU=BRADLEY, R MARK
E44        1  AU=BRADLEY, R S
E45      525  AU=BRADLEY, R.
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E46       2  AU=BRADLEY, R. A
E47     146  AU=BRADLEY, R. A.
E48       2  AU=BRADLEY, R. ANDREW
E49      10  AU=BRADLEY, R. B.
E50      17  AU=BRADLEY, R. C.
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?  e au=bradley, prater
Ref   Items  Index-term
E1        8  AU=BRADLEY, PP
E2        1  AU=BRADLEY, PR
E3        0  AU=BRADLEY, PRATER
E4        8  AU=BRADLEY, PRUDENCE
E5        2  AU=BRADLEY, PRUDENCE K
E6       85  AU=BRADLEY, PRUDENCE K.
E7        2  AU=BRADLEY, PRUDENCE KATHERINE
E8        3  AU=BRADLEY, PS
E9        2  AU=BRADLEY, PV
E10      18  AU=BRADLEY, PW
E11       2  AU=BRADLEY, Q.
E12       1  AU=BRADLEY, Q.M.
E13       1  AU=BRADLEY, QUETZALCOATL
E14      76  AU=BRADLEY, R
E15       2  AU=BRADLEY, R (ED)
E16       1  AU=BRADLEY, R D
E17       2  AU=BRADLEY, R F
E18       1  AU=BRADLEY, R M
E19       1  AU=BRADLEY, R MARK
E20       1  AU=BRADLEY, R S
E21     525  AU=BRADLEY, R.
E22       2  AU=BRADLEY, R. A
E23     146  AU=BRADLEY, R. A.
E24       2  AU=BRADLEY, R. ANDREW
E25      10  AU=BRADLEY, R. B.
          Enter PAGE for more

?  d s
Set     Items   Description
S1          2   S E1-E2
S2          2   RD  (unique items)
S3         91   S E1-E2
S4         66   RD  (unique items)
S5          0   S S4 AND POLYSACCHARIDE
S6         66   S S4

?  s (polysaccharide and (carrier(w)protein))
Processing
Processing
Processing
Processing
       339274   POLYSACCHARIDE
      1313075   CARRIER
     16905514   PROTEIN
        89519   CARRIER(W)PROTEIN
S7       1633   S (POLYSACCHARIDE AND (CARRIER(W)PROTEIN))

?
?  s s7 and (adhesin or adhesion)
         1633   S7
        36651   ADHESIN
      1404771   ADHESION
S8         20   S S7 AND (ADHESIN OR ADHESION)
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? rd
>>>W: Duplicate detection is not supported for File 393.
Duplicate detection is not supported for File 391.
Records from unsupported files will be retained in the RD set.
S9 16 RD (UNIQUE ITEMS)

? t s9/3,k/1-16
>>>W: KWIC option is not available in file(s): 399
9/3,K/1 (Item 1 from file: 5) Links
Fulltext available through: STIC Full Text Retrieval Options
Biosis Previews(R)

17578626 Biosis No.: 200300533523
Synthesis and immunological properties of the staphylococcal poly-N-acetylglucosamine (PNAG) and deacetylated-poly-N-acetylglucosamine (dPNAG) surface polysaccharides conjugated to diphtheria toxoid.

Author: Maira-Litran T (Reprint); Kropec A (Reprint); Pier G B (Reprint)
Author Address: Channing Laboratory, Harvard Medical School, Boston, MA, USA**USA
Journal: Abstracts of the General Meeting of the American Society for Microbiology 103 p E-121 2003 2003
Medium: cd-rom
Conference/Meeting: 103rd American Society for Microbiology General Meeting Washington, DC, USA May 18-22, 2003; 20030518
Sponsor: American Society for Microbiology
ISSN: 1060-2011 _(ISSN print)
Document Type: Meeting; Meeting Abstract
Record Type: Abstract
Language: English

Abstract: Background: The intercellular adhesin locus (ica) of S. aureus and S. epidermidis encodes proteins that synthesize the capsular polysaccharide/adhesin (PS/A) and that this antigen serves as target for protective immunity. PNAG is the... ...and a deacetylated form of this surface antigen (15-20% substitution) were conjugated to the carrier protein diphtheria toxoid (DT). Mice were immunized with 0.15, 0.75 and 1.5 mg... ...bled weekly for one month. Control mice were immunized with a mixture of the unconjugated polysaccharide and protein in the same ratio. Antibody responses were measured by ELISA and opsonophagocytic killing...

9/3,K/2 (Item 1 from file: 34) Links
Fulltext available through: STIC Full Text Retrieval Options
SciSearch(R) Cited Ref Sci

18600645 Genuine Article#: 381HA No. References: 61
Solid-state NMR studies of bacterial lipoteichoic acid adsorption on different surfaces

Author: Wickham JR; Rice CV (REPRINT)
Corporate Source: Univ Oklahoma,Dept Chem & Biochem,620 Parrington Oval,Room 208/Norman//OK/73019 (REPRINT); Univ Oklahoma,Dept Chem & Biochem,Norman//OK/73019
Journal: SOLID STATE NUCLEAR MAGNETIC RESONANCE , 2008 , V 34 , N3 (OCT) , P 154-161
ISSN: 0926-2040 Publication date: 20081000
Publisher: ACADEMIC PRESS INC ELSEVIER SCIENCE , 525 B ST, STE 1900, SAN DIEGO, CA 92101-4495 USA
Language: English Document Type: ARTICLE (ABSTRACT AVAILABLE)
Abstract: Teichoic acids are important to bacteria for surface adhesion, metal ion coordination, and other biological processes crucial to bacterial survival. In particular, the surface adhesion of teichoic acids plays a crucial role in the formation of Gram-positive biofilms. Biofilms ... ...of various chronic infections. Biofilm formation is essentially a four-step process beginning with the adhesion of

bacteria to a surface, followed by the excretion of an extracellular polymeric substance (slime... ...through bacterial release. Currently, there is very little molecular level information available for the initial adhesion of bacteria to solid surfaces. Solid-state NMR is ideally suited for the study of these samples, thus we use (31)p solid-state NMR experiments to study the initial adhesion of lipoteichoic acid (LTA) to various surfaces. P-31 CP-MAS spectra and T-1p... ...we suggest that the alanine and glucosamine groups interact with the surface. However, during simultaneous adhesion to TiO2 and PGN, the glucosamine groups bind to the PGN while the alanine groups...
Identifiers-- ...POLYSACCHARIDE INTERCELLULAR ADHESIN; FORMING STAPHYLOCOCCUS-EPIDERMIDIS; ALANYL CARRIER PROTEIN; TEICHOIC-ACIDS; STREPTOCOCCUS-PNEUMONIAE; BIOFILM FORMATION; MOLECULAR-STRUCTURE; POTENT STIMULUS; PHASE VARIATION; HOST DEFENSES

9/3,K/3 (Item 2 from file: 34) Links
Fulltext available through: STIC Full Text Retrieval Options
SciSearch(R) Cited Ref Sci

14375190 Genuine Article#: 967JN No. References: 54
Comparative opsonic and protective activities of Staphylococcus aureus conjugate vaccines containing native or deacetylated staphylococcal poly-N-acetyl-beta-(1-6)-glucosamine

Author: Maira-Litran T (REPRINT) ; Kropec A; Goldmann DA; Pier GB
Corporate Source: Harvard Univ,Sch Med, Brigham & Womens Hosp, Dept Med,Channing Lab,181 Longwood Ave/Boston//MA/02115 (REPRINT); Harvard Univ,Sch Med, Brigham & Womens Hosp, Dept Med,Channing Lab,Boston//MA/02115; Harvard Univ,Sch Med, Childrens Hosp, Dept Med,Div Infect Dis,Boston//MA/02115 (tmaira@rics.bwh.harvard.edu)
Journal: INFECTION AND IMMUNITY , 2005 , V 73 , N10 (OCT) , P 6752-6762
ISSN: 0019-9567 Publication date: 20051000
Publisher: AMER SOC MICROBIOLOGY , 1752 N ST NW, WASHINGTON, DC 20036-2904 USA
Language: English Document Type: ARTICLE (ABSTRACT AVAILABLE)
Abstract: Staphylococcus aureus and Staphylococcus epidermidis both synthesize the surface polysaccharide poly-N-acetyl-beta-(1-6)-glucosamine (PNAG), which is produced in vitro with a... ...PNAG and a deacetylated form of the antigen (dPNAG; 15% acetylation) were conjugated to the carrier protein diphtheria toxoid (DT) and used to immunize animals. Mice responded in a dose-dependent fashion... ...dPNAG elicit antibodies that mediated opsonic killing and protected against S. aureus infection, including capsular polysaccharide types 5 and 8 and an untypable strain.
Identifiers-- ...CAPSULAR POLYSACCHARIDE ADHESIN; COAGULASE-NEGATIVE STAPHYLOCOCCI; CATHETER-ASSOCIATED INFECTION; METHICILLIN-RESISTANT; INTERCELLULAR ADHESIN; SURFACE POLYSACCHARIDE; MONOCLONAL-ANTIBODIES; BIOFILM FORMATION; RABBIT MODEL; ICA LOCUS

9/3,K/4 (Item 1 from file: 45) Links
EMCare

0004168992 EMCARE No: 35614584
Novel sucrose-dependent adhesion co-factors in Streptococcus mutans.

Tao L.; Tanzer J.M.
Department of Oral Biology, College of Dentistry, University of Illinois at Chicago, 60612, USA.
CORRESP. AUTHOR/AFFIL: Tao L.: Department of Oral Biology, College of Dentistry, University of Illinois at Chicago, 60612, USA.
CORRESP. AUTHOR EMAIL: ltao@uic.edu

Journal of dental research (J. Dent. Res.) (United States) July 1, 2002 , 81/7 (505-510)
ISSN: 0022-0345
DOCUMENT TYPE: Journal ; Article RECORD TYPE: Abstract
LANGUAGE: English

Novel sucrose-dependent adhesion co-factors in Streptococcus mutans.

Streptococcus mutans glucosyltransferases form extracellular glucans from sucrose to promote adhesion to the teeth. We tested whether additional factors are involved in S. mutans sucrose-dependent adhesion. By screening a pVA891-insertion mutant library of S. mutans LT11, we isolated four clones deficient in adhesion to glass in the presence of sucrose, but normal in glucosyltransferase activities. The genetic loci... ...to the wild type. Therefore, these four factors may contribute to S. mutans sucrose-dependent adhesion.
DESCRIPTORS:
* adhesion; *Streptococcus mutans; *sucrose
ABC transporter; adenosine triphosphate; analysis of variance; antibiotic resistance; ascorbic acid; ascorbic acid metabolism; bacterial polysaccharide; bacterial protein; bacterium adherence; bacterium transformation; biosynthesis; carrier protein; cell clone; chromosome map; clone; effusion; enzymology; erythromycin; gene locus; genetics; glass; glucan; glucosyltransferase; glycerol...
TERMS (UNCONTROLLED):

9/3,K/5 (Item 2 from file: 45) Links
EMCare

0004168104 EMCARE No: 35607797
Attenuation of glucan-binding protein C reduces the cariogenicity of Streptococcus mutans: analysis of strains isolated from human blood.

Nakano K.; Matsumura M.; Kawaguchi M.; Fujiwara T.; Sobue S.; Nakagawa I.; Hamada S.; Ooshima T.
Department of Pedodontics, Osaka University Graduate School of Dentistry, 1-8 Yamada-oka, Suita, Osaka 565-0871, Japan.
CORRESP. AUTHOR/AFFIL: Nakano K.: Department of Pedodontics, Osaka University Graduate School of Dentistry, 1-8 Yamada-oka, Suita, Osaka 565-0871, Japan.

Journal of dental research (J. Dent. Res.) (United States) June 1, 2002 , 81/6 (376-379)
ISSN: 0022-0345
DOCUMENT TYPE: Journal ; Article RECORD TYPE: Abstract
LANGUAGE: English

...relatively low homology with MT8148, a reference oral isolate strain, and lacks the serotype-specific polysaccharide antigen, suggesting that other cell-surface structures correlate with cariogenicity. We compared cariogenicity of TW871... ...showed significantly lower cariogenicity than MT8148 or TW964 and expressed significantly lower sucrose-independent cellular adhesion to saliva-coated hydroxyapatite and dextran-binding activity than strain MT8148. Strains TW871 and TW964...
DESCRIPTORS:
*
adhesion; analysis of variance; antigen; bacteremia; bacterial endocarditis; bacterial protein; bacterium adherence; binding affinity; carrier protein; cell surface; child; classification; dental caries; dextran; DNA; DNA sequence; gene; genetic variability; genetics; germfree animal; human; hydroxyapatite; immunology; metabolism; microbiology; molecular genetics; pathogenicity; physiology; polysaccharide; rat; rat strain; saliva; sequence analysis; serotype ; site directed mutagenesis; Southern blotting; species difference; sucrose ...
TERMS (UNCONTROLLED):

9/3,K/6 (Item 1 from file: 72) Links
Fulltext available through: STIC Full Text Retrieval Options
EMBASE

0082727018 EMBASE No: 2008529839
Characterization of the Caulobacter crescentus holdfast polysaccharide biosynthesis pathway reveals significant redundancy in the initiating glycosyltransferase and polymerase steps

Toh E.; Kurtz Jr. H.D.; Brun Y.V.
Department of Biology, Indiana University, Bloomington, IN 47405-3700, United States
Author email: ybrun@indiana.edu
Corresp. Author/Affil: Brun Y. V.: Department of Biology, Indiana University, Bloomington, IN 47405-3700, United States
Corresp. Author Email: ybrun@indiana.edu

Journal of Bacteriology (J. Bacteriol.) (United States) November 1, 2008 , 190/21 (7219-7231)
CODEN: JOBAA ISSN: 0021-9193
Item Identifier (DOI): 10.1128/JB.01003-08
URL: http://jb.asm.org/cgi/reprint/190/21/7219
Document Type: Journal ; Article Record Type: Abstract
Language: English Summary language: English
Number of References: 69
Characterization of the Caulobacter crescentus holdfast polysaccharide biosynthesis pathway reveals significant redundancy in the initiating glycosyltransferase and polymerase steps

Caulobacter crescentus cells adhere to surfaces by using an extremely strong polar adhesin called the holdfast. The polysaccharide component of the holdfast is comprised in part of oligomers of N-acetylglucosamine. The genes involved in the export of the holdfast polysaccharide and the anchoring of the holdfast to the cell were previously discovered. In this study, we identified a cluster of polysaccharide biosynthesis genes (hfsEFGH) directly adjacent to the holdfast polysaccharide export genes. Sequence analysis indicated that these genes are involved in the biosynthesis of the minimum repeat unit of the holdfast polysaccharide. HfsE is predicted to be a UDP-sugar lipid-carrier transferase, the glycosyltransferase that catalyzes the first step in polysaccharide biosynthesis. HfsF is predicted to be a flippase, HfsG is a glycosyltransferase, and HfsH is similar to a polysaccharide (chitin) deacetylase. In-frame hfsG and hfsH deletion mutants resulted in severe deficiencies both in surface adhesion and in binding to the holdfast-specific lectin wheat germ agglutinin. In contrast, hfsE and hfsF mutants exhibited nearly wild-type levels of adhesion and holdfast synthesis. We identified three paralogs to hfsE, two of which are redundant to... ...holdfast synthesis. We also identified a redundant paralog to the hfsC gene, encoding the putative polysaccharide polymerase, and present evidence that the hfsE and hfsC paralogs, together with the hfs genes...
Drug Descriptors:
* glycosyltransferase--endogenous compound--ec; *polysaccharide --endogenous compound--ec
carrier protein--endogenous compound--ec; chitin--endogenous compound--ec; mutant protein--endogenous compound--ec; unclassified drug; uridine...
Medical Descriptors:
article; bacterial gene; carbohydrate synthesis; cell adhesion; cell surface; controlled study; gene cluster; gene deletion; gene identification ; nonhuman; nucleotide sequence; priority journal...
Orig. Descriptors:
CAS Registry Number: 80700-39-6 (carrier protein); 1398-61-4 (chitin); 9033-07-2 (glycosyltransferase)
SECTION HEADINGS:

9/3,K/7 (Item 2 from file: 72) Links
Fulltext available through: STIC Full Text Retrieval Options
EMBASE

0082188694 EMBASE No: 2007602508
Meningococcal disease: A review on available vaccines and vaccines in development

Broker M.; Fantoni S.
Novartis Vaccines, Marburg, Germany; Novartis Vaccines, Emil von Behring-Str 76, 35041 Marburg, Germany
Author email: Michael.Broeker@Novartis.com
Corresp. Author/Affil: Broker M.: Novartis Vaccines, Emil von Behring-Str 76, 35041 Marburg, Germany
Corresp. Author Email: Michael.Broeker@Novartis.com

Minerva Medica (Minerva Med.) (Italy) October 1, 2007 , 98/5 (575-589)
CODEN: MIMEA ISSN: 0026-4806
Document Type: Journal ; Review Record Type: Abstract
Language: English Summary language: English; Italian
Number of References: 54

...conjugate vaccines have since been developed, which offer solid advantages over the currently licensed plain polysaccharide vaccines. Tetravalent serogroup A, C, Y and W135 meningococcal vaccines are under development and one...
Drug Descriptors:
*
aluminum hydroxide; antigen; carrier protein; diphtheria toxin; diphtheria toxoid; nerve cell adhesion molecule; oligosaccharide; outer membrane protein; polysaccharide vaccine --drug therapy--dt; polysaccharide vaccine--pharmacology--pd; tetanus toxoid
Medical Descriptors:
CAS Registry Number: ...80206-84-4 (aluminum hydroxide); 80700-39-6 (carrier protein); 57425-69-1...
SECTION HEADINGS:

9/3,K/8 (Item 3 from file: 72) Links
Fulltext available through: STIC Full Text Retrieval Options
EMBASE

0080974369 EMBASE No: 2006034321
YdgG (TqsA) controls biofilm formation in Escherichia coli K-12 through autoinducer 2 transport

Herzberg M.; Kaye I.K.; Peti W.; Wood T.K.
Department of Chemical Engineering, University of Connecticut, 191 Auditorium Road, Storrs, CT 06269-3222, United States
Author email: Thomas.Wood@chemail.tamu.edu
Corresp. Author/Affil: Wood T.K.: Department of Chemical Engineering, Texas A and M University, 220 Jack E. Brown Building, College Station, TX 77843-3122, United States
Corresp. Author Email: Thomas.Wood@chemail.tamu.edu

Journal of Bacteriology (J. Bacteriol.) (United States) January 1, 2006 , 188/2 (587-598)
CODEN: JOBAA ISSN: 0021-9193
Item Identifier (DOI): 10.1128/JB.188.2.587-598.2006
Document Type: Journal ; Article Record Type: Abstract
Language: English Summary language: English
Number of References: 72

...for type 1 fimbriae, autotransporter protein Ag43, curli production, colanic acid production, and production of polysaccharide adhesin. Eighty genes not previously related to biofilm formation were also identified, including those that encode...
Drug Descriptors:
* carrier protein--endogenous compound--ec; *gene product --endogenous compound--ec

acid; adhesin; biotin; crystal violet; membrane protein--endogenous compound--ec; methionine; polysaccharide; polysialic acid; streptomycin; thiamine; unclassified drug
Medical Descriptors:
CAS Registry Number: 58-85-5 (biotin); 80700-39-6 (carrier protein); 467-63-0...
SECTION HEADINGS:

9/3,K/9 (Item 4 from file: 72) Links
Fulltext available through: STIC Full Text Retrieval Options
EMBASE

0080146466 EMBASE No: 2004329105
Short-chain oligosaccharide protein conjugates as experimental pneumococcal vaccines

Jansen W.T.M.; Snippe H.
Eijkman-Winkler Institute, Heidelberglaan 100, 3584CX Utrecht, Netherlands
Author email: W.T.M.Jansen@lab.azu.nl
Corresp. Author/Affil: Jansen W.T.M.: Eijkman-Winkler Institute, G04-614 UMC, Department of Microbiology, Heidelberglaan 100, 3584 CX Utrecht, Netherlands
Corresp. Author Email: W.T.M.Jansen@lab.azu.nl

Indian Journal of Medical Research, Supplement (Indian J. Med. Res. Suppl.) (India) August 13, 2004 , 119/MAY (7-12)
ISSN: 0367-9012
Document Type: Journal ; Short Survey Record Type: Abstract
Language: English Summary language: English
Number of References: 58

...vaccines. After a short overview of the development of pneumococcal vaccines from the 23 - valent polysaccharide vaccines to polysaccharide-protein conjugate vaccines, it focuses on the vaccine potential of synthetic oligosaccharides, conjugated to carrier...
Drug Descriptors:
*
adhesin--drug development--dv; adhesin--drug therapy--dt; antibiotic agent--drug therapy--dt; autolysin--drug development--dv; autolysin--drug therapy--dt; bacterial polysaccharide--endogenous compound--ec; bacterial vaccine--drug development--dv; bacterial vaccine --drug therapy--dt; carrier protein--clinical trial--ct; carrier protein--drug combination--cb; carrier protein--drug development--dv; carrier protein--drug therapy--dt; diphtheria toxoid--clinical trial--ct; diphtheria toxoid--drug combination--cb; diphtheria toxoid... ...dv; outer membrane protein--drug therapy--dt; pneumolysin--drug development--dv; pneumolysin--drug therapy--dt; polysaccharide vaccine--clinical trial--ct; polysaccharide vaccine--drug combination--cb; polysaccharide vaccine--drug development--dv; polysaccharide vaccine--drug therapy--dt; synthetic peptide--drug combination--cb; synthetic peptide--drug development--dv; synthetic...
Medical Descriptors:
CAS Registry Number: 97089-74-2 (autolysin); 80700-39-6 (carrier protein); 57425-69-1...
SECTION HEADINGS:

9/3,K/10 (Item 1 from file: 399) Links
CA SEARCH(R)

141294673 CA: 141(18)294673p PATENT
Capsular polysaccharide-staphylococcal surface adhesin carrier protein conjugates as vaccines for immunization against nosocomial infections
Inventor (Author): Pavliak, Viliam; Baker, Steven Morris; Pillai, Subramonia Padmanaba

Location: USA
Assignee: Wyeth Holdings Corporation; Wyeth Corp.
Patent: PCT International ; WO 200480490 A2 Date: 20040923
Application: WO 2004US6661 (20040304) *US PV452728 (20030307)
Pages: 81 pp.
CODEN: PIXXD2
Language: English
Patent Classifications:
Class: A61K-047/48A; C07K-016/12B; A61K-039/385B
Designated Countries: AE; AG; AL; AM; AT; AU; AZ; BA; BB; BG; BR; BW; BY; BZ; CA; CH; CN; CO; CR; CU; CZ; DE; DK; DM; DZ; EC; EE; EG; ES; FI; GB; GD; GE; GH; GM; HR; HU; ID; IL; IN; IS; JP; KE; KG; KP; KR; KZ; LC; LK; LR; LS; LT; LU; LV; MA; MD; MG; MK; MN; MW; MX; MZ; NA; NI; NO; NZ; OM; PG; PH; PL; PT; RO; RU; SC; SD; SE; SG; SK; SL; SY; TJ; TM; TN; TR; TT; TZ; UA; UG; US; UZ; VC; VN; YU; ZA; ZM; ZW
Designated Regional: BW; GH; GM; KE; LS; MW; MZ; SD; SL; SZ; TZ; UG; ZM; ZW; AM; AZ; BY; KG; KZ; MD; RU; TJ; TM; AT; BE; BG; CH; CY; CZ; DE; DK; EE; ES; FI; FR; GB; GR; HU; IE; IT; LU; MC; NL; PL; PT; RO; SE; SI; SK; TR; BF; BJ; CF; CG; CI; CM; GA; GN; GQ; GW; ML; MR; NE; SN; TD; TG

9/3,K/11 (Item 1 from file: 135) Links

0000322939 (USE FORMAT 7 OR 9 FOR FULLTEXT)

Researchers from the 84105 Israel, United States and United Kingdom report details of new studies and findings in the area of pneumococcal

Immunotherapy Weekly, August 2, 2006, p.380

DOCUMENT TYPE: Expanded Reporting LANGUAGE: English
RECORD TYPE: FULLTEXT

Word Count:
952

...TEXT: 84105 Israel, United States and United Kingdom.
Study 1: Pneumococcal 6-phosphogluconate-dehydrogenase, a putative adhesin, induces protective immune response in mice.
... noted researchers in Israel.
"This study assesses the role of 6PGD in pathogenesis as an adhesin and its ability to elicit a protective immune response in mice. Recombinant 6PGD (r6PGD) was...

...serotype 3 (strain WU2)," said D. Daniely and colleagues at Soroka University. "r6PGD interference in adhesion of three genetically unrelated unencapsulated pneumococcal strains (3.8, 14.8, and R6) and two
...

...with a lethal dose of ."
The investigators reported, "r6PGD inhibited 90% and 80% of pneumococcal adhesion to the A549 cells of three unencapsulated strains and two encapsulated strains, respectively, in a concentration-dependent manner (p<0.05). Antibodies to r6PGD produced in mice significantly inhibited bacterial adhesion to A549 cell (p<0.05). Immunization of mice with r6PGD protected 60% (p<0...

...have identified 6PGD as a surface-located immunogenic lectin protein

capable of acting as an adhesin. 6PGD importance to bacterial pathogenesis was demonstrated by the ability of r6PGD to elicit a...

...they concluded.
Daniely and associates published their study in (Pneumococcal 6-phosphogluconate-dehydrogenase, a putative adhesin, induces protective immune response in mice. Clin Exp Immunol, 2006;144(2):254-263).
For...

...84105 Israel. ymizr@bgumail.bgu.ac.il.
Study 2: Intranasal immunization with the cell wall polysaccharide elicited antibody-independent, interleukin-17A-mediated, cross-serotype immunity to pneumococci.
According to recent research...

...polysaccharides, which define the 90 known serotypes. Whether antibody to the species-common cell wall polysaccharide (C-Ps) is protective has been a matter of controversy. Here we show that C...

...17A-mediated, cross-serotype immunity to pneumococci in mice immunized intranasally with the cell wall polysaccharide. Infect Immun, 2006;74(4):2187-2195).
For additional information, contact Richard Malley, Division of...

...States, "Pneumolysin, the pore-forming toxin produced by , may have an application as an immunogenic carrier protein in future pneumococcal conjugate vaccines. Most of the 90 serotypes identified produce pneumolysin; therefore, this...

9/3,K/12 (Item 2 from file: 135) Links
NewsRx Weekly Reports

0000310980 (USE FORMAT 7 OR 9 FOR FULLTEXT)

Reports from the United States and United Kingdom describe recent advances in pneumococcal research

Biotech Business Week, June 22, 2006, p.393

DOCUMENT TYPE: Expanded Reporting LANGUAGE: English
RECORD TYPE: FULLTEXT

Word Count:
1040

...TEXT: United Kingdom.
Study 1: Investigators have developed an opsonin inhibition assay for evaluation of complex polysaccharide protective epitopes.
... published their study in Vaccine (Development of an opsonin inhibition assay for evaluation of complex polysaccharide protective epitopes. Vaccine, 2006;24(11):1941-1948).
For additional information, contact Tessie McNeely, Merck...

...the pore-forming toxin produced by Streptococcus pneumoniae , may have

an application as an immunogenic carrier protein in future pneumococcal conjugate vaccines. Most of the 90 S. pneumoniae serotypes identified produce pneumolysin...

...for antibodies to several pneumococcal proteins: choline binding protein A (CbpA), pneumolysin (Ply), pneumococcal surface adhesin A (PsaA), and pneumococcal surface protein A (PspA). Adenoidal mononuclear cells (MNC) were cultured with...

9/3,K/13 (Item 1 from file: 357) Links
Derwent Biotech Res.

0355392 DBA Accession No.: 2005-01096 PATENT
New polysaccharide-protein conjugate comprising a capsular polysaccharide of Neisseria meningitidis serogroup A, C, W-135 or Y, useful in preparing a vaccine for immunizing a human patient against Neisseria meningitidis bacterium polysaccharide and carrier protein conjugate for vaccine

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Patent Number: WO 2004103400 Patent Date: 20041202 WPI Accession No.: 2004-834172 (200482)
Priority Application Number: US 468581 Application Date: 20030507
National Application Number: WO 2004US14466 Application Date: 20040507
Language: English
New polysaccharide-protein conjugate comprising a capsular polysaccharide of Neisseria meningitidis serogroup A, C, W-135 or Y, useful in preparing a vaccine for immunizing a human patient against Neisseria meningitidis bacterium polysaccharide and carrier protein conjugate for vaccine
Abstract: DERWENT ABSTRACT: NOVELTY - A new polysaccharide-protein conjugate comprises a capsular polysaccharide of Neisseria meningitidis serogroup A, C, W-135 or Y, conjugated to one or more carrier proteins, where the composition comprises 0.5 to 15 microgram/ml of each capsular polysaccharide to an average size of less than 100000 daltons. DETAILED DESCRIPTION - INDEPENDENT CLAIMS are also included for the following: (1) a composition comprising the polysaccharide-protein conjugate; (2) a method of inducing an immunological response against meningococcal A, Y or... ...3) a method of immunizing a human patient against Neisseria meningitidis. BIOTECHNOLOGY - Preferred Conjugate: The polysaccharide-protein conjugate comprises a capsular polysaccharide of Neisseria meningitidis serogroup A, C, W-135 or Y, conjugated to one or more carrier proteins, where the composition comprises 0.5 to 15 mug/ml of each capsular polysaccharide to an average size of less than 100000, or 5000-75000, 7000-50000, 8000-35000, 12000-25000 or 15000-22000 daltons. The average ratio of derivatized polysaccharide to carrier protein is about 1:1-1:20, 1:2-1:10, 1:2-1:6, 1... ...or minus 0.5) or 1:(4 plus or minus 0.25) (w/w). The carrier protein comprises a bacterial toxin or toxoid, or a bacterial outer membrane protein. The carrier protein comprises a diphtheria toxin, diphtheria toxoid, CRM197, tetanus toxoid, pertussis toxoid, E. coli LT, E... ...membrane complex c (OMPC), porin, transferrin binding protein, pneumolysis, pneumococcal surface protein A (PspA), pneumococcal adhesin protein (PsaA), ovalbumin, keyhole limpit hemocyanin (KLH), bovine serum albumin (BSA) or purified protein derivative of tuberculin (PPD). The carrier protein comprises a diphtheria toxin, diphtheria toxoid, CRM97, tetanus toxoid, exotoxin A or outer membrane complex c (OMPC). The capsular polysaccharide is derivatized to average size of 8000 to 35000 daltons. The average ratio of derivatized polysaccharide to carrier protein is about 1:2-1:10 or 1:(4 plus or minus 1) (w/w... ...an adjuvant comprising aluminum hydroxide, aluminum phosphate, sodium phosphate and/or sodium chloride. The capsular polysaccharide is A and W-135, Y and W-135, C and Y, C and W... ...in a human patient comprises administering to the human patient a vaccine composition comprising the polysaccharide-protein conjugate. The vaccine composition does not comprise an

adjuvant. Immunizing a human patient against Neisseria meningitidis comprises administering a vaccine composition comprising the polysaccharide-protein conjugate, whereby the human patient has a fourfold or greater increase in serum GMT...
...SBA-BR titer. ACTIVITY - Antibacterial. No biological data given. MECHANISM OF ACTION - Vaccine. USE - The polysaccharide-protein conjugate is useful in preparing a vaccine composition for immunizing a human patient against...
E.C. Numbers:
Descriptors: Neisseria meningitidis capsular polysaccharide, diphtheria toxin, diphtheria toxoid, tetanus toxoid, pertussis toxoid, Escherichia coli LT, Escherichia coli ST, exotoxin-A, outer membrane complex-c, porin, transferrin binding protein, pneumolysis, pneumococcal surface protein-A, pneumococcal adhesin protein, ovalbumin, keyhole limpit hemocyanin, cattle serum albumin, purified tuberculin protein derivative carrier protein conjugate, immunization in human patient, appl. vaccine, Neisseria meningitidis infection therapy, prevention bacterium animal mammal...

9/3,K/14 (Item 2 from file: 357) Links
Derwent Biotech Res.

0342932 DBA Accession No.: 2004-15224 PATENT
Generating a Staphylococcus that overproduces a polysaccharide useful as a vaccine against staphylococcal infection comprises introducing into a bacterium an intercellular adhesion (ica) nucleic acid linked to an ica regulatory nucleic acid polysaccharide production via plasmid expression in host cell for in vaccine

Author: PIER G B; JEFFERSON K
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Patent Number: WO 200443407 Patent Date: 20040527 WPI Accession No.: 2004-411631 (200438)
Priority Application Number: US 425569 Application Date: 20021112
National Application Number: WO 2003US36371 Application Date: 20031112
Language: English
Generating a Staphylococcus that overproduces a polysaccharide useful as a vaccine against staphylococcal infection comprises introducing into a bacterium an intercellular adhesion (ica) nucleic acid linked to an ica regulatory nucleic acid polysaccharide production via plasmid expression in host cell for in vaccine
Abstract: DERWENT ABSTRACT: NOVELTY - Generating (M1) a (Staphylococcus) bacterium that overproduces polysaccharide by introducing into a bacterium an intercellular adhesion (ica) nucleic acid operably linked to an ica regulatory nucleic acid, is new. DETAILED DESCRIPTION - Generating (M1) a (Staphylococcus) bacterium that overproduces polysaccharide comprises: (a) introducing into a bacterium, an intercellular adhesion (ica) nucleic acid operably linked to an ica regulatory nucleic acid (II), where the (II... ...between and including nucleotides 9 and 43 of (S1), and that enhance production of a polysaccharide from an ica locus, and their complements, (b) introducing into a bacterium an ica nucleic acid operably linked to (II), where (II) comprises a mutant icaR nucleic acid, and measuring polysaccharide production from the bacterium, where a high level of polysaccharide production is indicative of (I) (c) recombinantly down-regulating wild-type IcaR protein production, and... ...ica promoter region. INDEPENDENT CLAIMS are also included for: (1) a recombinant bacterium which overproduces polysaccharide and comprises an ica nucleic acid operably linked (II), where the bacterium is not MN8... ...MN8m), or a mutant icaR nucleic acid; (2) producing (M2) an antibody to a bacterial polysaccharide, by isolating a bacterial polysaccharide from (I), administering the isolated bacterial polysaccharide to a subject to produce an antibody, and harvesting antibody from the subject; (3) an... ...and its complements, where the fragment spans a MN8m mutation and enhances production of a polysaccharide from an ica locus when operably linked to an ica nucleic acid; (4) an expression...
...indicative of an isolated binding agent; (7) identifying (M4) an ica promoter sequence associated with polysaccharide overproduction, involves detecting a nucleic acid molecule having a sequence alteration from wild-type in... ...and 43 of (S1); (8) identifying (M5) an ica regulatory nucleic acid molecule that enhances polysaccharide production, by altering a nucleic acid molecule having (S1), and

determining a level of reporter... ...higher than wild-type level of reporter protein production is indicative of (II) that enhances polysaccharide production; (9) a composition (C1) comprising an isolated binding agent that binds to a nucleic... ...disclosed. BIOTECHNOLOGY - Preferred Method: The steps (a), (c) and (d) of (M1), further involve measuring polysaccharide production from the bacterium, where a high level of polysaccharide production is indicative of (I). (II) comprises a fully defined sequence of 55 base pairs ... ...IcaR protein that binds to a target less efficiently than wild-type IcaR protein. The polysaccharide is poly-N-acetyl glucosamine (PNAG). In (c) of (M1), the wild-type IcaR protein... ...nucleic acid molecule with the candidate molecule to determine if the candidate molecule is a polysaccharide molecule is a polysaccharide synthesis modulator, where the candidate molecule is a polysaccharide synthesis modulator if expression from the reporter construct is altered. The candidate molecule is a... ...nucleic acid molecule, is indicative of the presence of an ica promoter sequence associated with polysaccharide over-production. The nucleic acid molecule is detected by contacting a candidate nucleic acid with... ...In (M5), the reporter nucleic acid is an ica nucleic acid and reporter production is polysaccharide production. The nucleic acid molecule is altered recombinantly, or altered naturally during bacterial culture. (M6... ...protein G, a mammalian protein, viral protein, fungal protein, parasite protein, fibrinogen-binding protein, vaccine carrier protein, or IcaA, IcaD, IcaB or IcaC. Preferred Bacterium: In the recombinant polysaccharide over-producing bacterium, the mutant icaR nucleic acid is a deletion of wild-type icaR... ...ACTION - Vaccine; Anti-poly-N-acetyl glucosamine antibodies. USE - (M1) is useful for generating a polysaccharide over-producing bacterium, such as Staphylococcus, which is chosen from S. epidermidis, S. aureus, S ... ...S. pasteuri and S. piscifermentans, where the recombinant bacterium is useful for producing a bacterial polysaccharide, which involves culturing the bacterium in a growth medium, and harvesting the bacterial polysaccharide from the culture. The bacterial polysaccharide is composed of beta 1-6 linked glucosamine units, where 0-100% of the units are acetate substituted, or less than 50% of the units are acetate substituted, and the polysaccharide is useful in producing antibody in a non-human subject such as rabbit or mouse. The method further involves formulating the bacterial polysaccharide as a vaccine (claimed). The polysaccharide produced using (I), is useful for immunizing humans and animals against infection by Staphylococcus bacteria... ...or infected with infectious agents. ADVANTAGE - (M1) enables generation of bacterium capable of over-producing polysaccharide such as poly-N-acetyl glucosamine (claimed). EXAMPLE - Expression plasmid pCRT7-NT was used to... ...histidine residues and an Xpress epitope to the amino-terminus of the protein. The intercellular adhesion (Ica)-R TcaR proteins and the vector expression control were sequentially purified. The lac operon...
E.C. Numbers:
Descriptors: polysaccharide prep., vector plasmid pCRT7-NT-mediated gene transfer expression in Staphylococcus epidermidis, Staphylococcus aureus, Staphylococcus... ...caprae, Staphylococcus hemolyticus, Staphylococcus auricularis, Staphylococcus intermedius, Staphylococcus lugdunensis, Staphylococcus pasteuri, Staphylococcus piscifermentans, mutant intercellular adhesion DNA, appl. bacterium infection recombinant vaccine, diagnosis, therapy strain improvement protein DNA sequence protein sequence...

9/3,K/15 (Item 1 from file: 149) Links

01057468 Supplier Number: 02665462 (USE FORMAT 7 OR 9 FOR FULL TEXT)
Gordon Research Conferences. (includes schedules) (calendar)

Science , v219 , p1095(35)
March 4 ,
1983
Document Type: calendar Publication Format: Magazine/Journal
ISSN: 0036-8075
Language: English
Record Type: Fulltext Target Audience: Academic

...occupancy) $230.00
Nonresident conferee (meals, no room) $190.00
Guest (room, meals) $170.00
Adhesion
New Hampton School
Robert A. Draughn, chairperson; David W. Dwight, vice chairperson.
22 August. F...

...Hightemperature polymers for aerospace applications'; R. Young, "Ligno-cellulosic adhesives'; N. S. Eiss, "Role of adhesion in friction and wear of polymers.' Poster session.
24 August. G. P. Anderson, "Analyses of standard adhesion test specimens'; W. S. Johnson, "Cyclic debonding of adhesively bonded composites'; R. S. Williams, "Characterization...Beachey, "Bacterial invasiveness--introduction'; G. Hazelbauer, "Bacterial chemotaxis'; I. Ofek, "Molecule of recognition mediating bacterial adhesion'; F. Audibert, "Synthetic analogs of bacterial cell walls (muramyl dipetides) as adjuvants for synthetic vaccines...

...xanthus'; L. Shapiro, "Role of membrane biogenesis in the Caulobacter cell cycle'; M. Bayer, "Membrane adhesion site.' Porins (J. Rosenbusch, session chairperson): J. Rosenbusch, "Structural aspects of porins'; H. Nikaido, "Properties...immunoglobulins.'
28 June. (P. A. Sandford, discussion leader): D. A. Brant, "Realistic molecular modeling of polysaccharide solution conformation'; G. O. Aspinall, "Selective fragmentations of polysaccharides.' (D. H. Ball, discussion leader): K...Bart Chernow, "Catecholamine applications to medicine's newest subspecialty: Critical care medicine.'
Cell Contact and Adhesion
Procter Academy
Jean Paul Revel, chairperson.
27 June. P. Armstrong, "Cell-cell adhesion'; G. Edelman, "Cell-cell adhesion'; M. Kuehlenschmidt, D. Cox, L. Park and S. Roseman, "Cell-cell adhesion'; M. Bernfield, "Cell-substrate adhesion'; M. Bronner-Fraser, "Cell-substrate adhesion'; J. Jamieson, "Cell-substrate adhesion.'
28 June. E. D. Hay, "Cell-matrix interaction'; H. Kleinman, "Cell-matrix interaction'; D. McClay...Elias, "Proteolipids and the barrier.' (Submitted posters, W. L. Epstein.)
10 August. Cell attachment and adhesion (M. Karasek, moderator): D. Gospodarowicz, "Attachment factors'; L. Liotta, "Laminin receptor'; L. Diaz, "Autoantibody probes...

...K. Fukuyama, moderator): D. Rifkin, "Skin proteinase inhibitors'; Y. Ishibashi, "In vitro changes in cell adhesion'; G. Lazarus, "Regulation of serine proteinases'; D. Perez, "Skin cysteine proteinase and inflammation.'
11 August...endothelial cells'; L. Curtiss, "Lipoprotein: Platelet interactions'; C. Bianco, "The fibronectin receptor.'
23 June. Cellular adhesion mechanisms (M. Ginsberg, session chairperson): T. Peterson, "Primary structure of fibronectin'; J. Lawler, "Structurefunction relationships...

...platelet: Vessel wall interaction'; D. Meyer, "Is only a single vWF locus required for platelet adhesion?'
Heterocyclic Chemistry
New Hampton School
Albert Padwa, chairperson; William Moberg, vice chairperson.
11-15 July...into model bilayers: Robert Fillingame, "Proton translocating ATPase of Escherichia coli'; Ronald Kaback, "The lac

carrier protein: From membrane to molecule'; H. Gobind Khorana, "Light transducing retinal-based pigments.'

21 June. Molecular...membrane lipids and proteins in cellular development: Ronald Schnaar, "Immobilized glycolipids support carbohydrate-specific cell adhesion'; William Lennarz, "Glycoprotein synthesis and embryonic development'; Lucy Shapiro, "Role of membrane biosynthesis in Caulobacter...Crystal, chairperson; Bjorn R. Olsen, co-chairperson.

4 July. Structure of extracellular matrix components (collagens, adhesion proteins, proteoglycans) I (Bjorn R. Olsen, session chairperson): Klaus Kuhn, "Interstitial collagens'; Rupert Timpl, "Basement ...

9/3,K/16 (Item 1 from file: 444) Links
New England Journal of Med.

00121353

Medical Progress: Meningococcal Disease (Review Article)

Rosenstein, Nancy E.; Perkins, Bradley A.; Stephens, David S.; Popovic, Tanja; Hughes, James M.
The New England Journal of Medicine
May 3 , 2001 ; 344 (18),pp 1378-1388
Line Count: 00583 Word Count: 08046

Text:
...Since the new meningococcal conjugate vaccines, like the currently available quadrivalent polysaccharide vaccine, will provide serogroup-specific protection, the distribution of serogroups is a key factor in...serogroups, most cases of meningococcal disease are caused by serogroups A and C, for which polysaccharide vaccines are effective, and serogroup B, which has a polysaccharide capsule that is poorly immunogenic in humans. The capsular polysaccharide is either a homopolymer or a heteropolymer consisting of monosaccharide, disaccharide, or trisaccharide repeating units...structures) that contain 50 percent lipooligosaccharide and 50 percent outer-membrane proteins, phospholipids, and capsular polysaccharide. The endotoxin and probably other components stimulate cytokine production and the alternative complement pathway. N...meningitidis. (Ref. 66) Nonculture methods, such as the use of commercially available kits to detect polysaccharide antigen in cerebrospinal fluid, have been used to enhance the laboratory diagnosis. These methods are...Ref. 80-82)|*Table 3.-Schedule for Administering Chemoprophylaxis against Meningococcal Disease *.**TABLE OMITTED**
Meningococcal Polysaccharide Vaccine
The quadrivalent polysaccharide vaccine that provides protection against serogroups A, C, Y, and W-135 is the only... ...Routine childhood vaccination with the quadrivalent meningococcal polysaccharide vaccine is not recommended because of its relative ineffectiveness in young children, who have the... ...informed decisions about vaccination.
Improved Vaccines
Unlike serogroup A and C polysaccharides, the serogroup B polysaccharide has a capsule ((alpha)2-8]-linked polysialic acid) that is identical in structure to... ...To improve the immunogenicity of the serogroup B polysaccharide, researchers have covalently linked it to carrier proteins and adsorbed it to aluminum; this vaccine has induced a serogroup-specific response in animals. (Ref. 96) Use of serogroup B polysaccharide vaccines in humans has been limited because of the theoretical risk that these vaccines will... ...serogroup A and C polysaccharides has been the use of peptides that mimic the capsular polysaccharide in complex with or conjugated to potent carrier-protein molecules in order to elicit a T-cell-dependent response.

(Ref. 103) In addition, the...a reasonable public health strategy for controlling meningococcal disease, but the shortcomings of the quadrivalent polysaccharide vaccine limit its usefulness. New serogroup B vaccines, now being developed, are unlikely to be...

Cited References

...FP, Cole R, Dankert J, Frosch M, van Putten JP. Neisseria meningitidis producing the Opc adhesin binds epithelial cell proteoglycan receptors. Mol Microbiol 1998;27:1203-12.
33. Virji M, Evans...against meningococcal serogroup ACYW disease in complement-deficient individuals vaccinated with the tetravalent meningococcal capsular polysaccharide vaccine. Clin Exp Immunol 1998;114:362-9.
44. Figueroa JE, Densen P. Infectious diseases...J, Randolph M, Samuelson JS, Hankins WA. Reactogenicity and immunogenicity of a quadrivalent combined meningococcal polysaccharide vaccine in children. J Infect Dis 1986;154:1033-6.
84. Scheifele DW, Bjornson G... ...RA, Bactos CO, et al. Assessment of the protection conferred by anti-group C meningococcal polysaccharide vaccine to 6 to 36 month-old children. Rev Inst Adolfo Lutz 1978;38:77... ...Draper TF, Gotshlich EC. Kinetics of antibody production to group A and group C meningococcal polysaccharide vaccines administered during the first six years of life: prospects for routine immunization of infants ... ...AW, et al. Age-specific differences in duration of clinical protection after vaccination with meningococcal polysaccharide A vaccine. Lancet 1985;2:114-8.
92. Zangwill KM, Stout RW, Carlone GM, et al. Duration of antibody response after meningococcal polysaccharide vaccination in US Air Force personnel. J Infect Dis 1994;169:847-52.
93. Granoff... ...Gupta RK, Belshe RB, Anderson EL. Induction of immunologic refractoriness in adults by meningococcal C polysaccharide vaccination. J Infect Dis 1998;178:870-4.
94. MacLennan J, Obaro S, Deeks J... ...Srivastava N, Smithson SL, et al. Selection of an immunogenic peptide mimic of the capsular polysaccharide of Neisseria meningitidis serogroup A using a peptide display library. Vaccine 2000;18:1253-63...
...S, Leach A, et al. A trial of a group A plus group C meningococcal polysaccharide-protein conjugate vaccine in African infants. J Infect Dis 1995;171:632-8.
107. Leach... ...in Gambian children by vaccination in infancy with a group A plus group C meningococcal polysaccharide-protein conjugate vaccine. J Infect Dis 1997;175:200-4.
108. Ramsay ME, Andrews N...

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